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# CIA HISTORICAL REVIEW PROGRAM

~~RELEASE AS SANITIZED~~

1998

20 SEP 1962

MEMORANDUM FOR: Deputy Director (Intelligence)

SUBJECT: Unclassified Data on Ship Movements to Cuba for July and August 1962

1. Attached is a copy of the subject study prepared by this Office. The study represents a complete search of unclassified materials maintained in the office. There are 2 or 3 minor sources, copies of which we do not maintain, that might add 1 or 2 ships to the charter totals here available. A careful search of these sources should they be available elsewhere, would add another 90 - 100 hours to the project and might produce no change in the present numbers. I have therefore stopped the analysis at the present stage.
2. The study indicates a sharp decline in the ability of unclassified sources to produce information of ship arrivals as one moves closer to current arrivals. It also indicates a general inability of unclassified sources to produce as much as one-half the charter information available on an "all-source" basis.

Assistant Director  
Research and Reports

Enclosure:  
Data on Ship Movements

~~SECRET~~

20 SEP 1962

MERCHANT SHIP ARRIVALS IN CUBAN PORTS - JULY AND AUGUST 1962

During July and August 1962, there were 169 arrivals in Cuban ports by Bloc and non-Bloc ships. Of the non-Bloc arrivals, 92 were flying the flags of NAMO countries and 40 were flying other non-Bloc flags.

Total arrivals for each of the two months are presented in the following tables for both Bloc and non-Bloc ships. In addition, tables are attached showing the distribution of ship arrivals between NAMO flag and other non-Bloc flags, and whether they are in Bloc-Cuban trade or non-Bloc-Cuban trade. Non-Bloc ships that either arrived from a Bloc port or were scheduled to load for a Bloc port and for which charter data are not available are characterized as being in a "beneficial use" status. The presumption in almost every case is that these vessels are under charter to the Soviet Bloc.

In the case of the British-flag tankers, no specific identification of their charters can be made. They are counted, however, as chartered vessels because their owners are known to have several tankers under long-term time-charter to the USSR.

Bloc Ship Arrivals in Cuba - July 1962

| Country        | Dry Cargo          |               | Tankers            |                | Total              |                |
|----------------|--------------------|---------------|--------------------|----------------|--------------------|----------------|
|                | Number of<br>Ships | GRT           | Number of<br>Ships | GRT            | Number of<br>Ships | GRT            |
| USSR           | 9                  | 63,103        | 8                  | 140,492        | 17                 | 203,595        |
| Bulgaria       | 1                  | 6,779         |                    |                | 1                  | 6,779          |
| Czechoslovakia | 1                  | 6,687         |                    |                | 1                  | 6,687          |
| East Germany   | 1                  | 6,996         |                    |                | 1                  | 6,996          |
| Poland         | 1                  | 3,384         |                    |                | 1                  | 3,384          |
| <b>TOTAL</b>   | <b>13</b>          | <b>90,969</b> | <b>8</b>           | <b>247,882</b> | <b>21</b>          | <b>338,851</b> |

Non-Bloc Ship Arrivals in Cuban Ports - July 1962

| <u>Country</u>   | <u>Dry Cargos</u>          |                | <u>Bankers</u>             |                | <u>Total</u>               |                |
|------------------|----------------------------|----------------|----------------------------|----------------|----------------------------|----------------|
|                  | <u>Number of<br/>Ships</u> | <u>GRT</u>     | <u>Number of<br/>Ships</u> | <u>GRT</u>     | <u>Number of<br/>Ships</u> | <u>GRT</u>     |
| Belgium          | 1                          | 7,639          |                            |                | 1                          | 7,639          |
| Great Britain    | 9                          | 64,963         | 7                          | 98,116         | 16                         | 162,664        |
| Cuba             | 9                          | 15,038         |                            |                | 9                          | 15,038         |
| Denmark          | 4                          | 24,060         |                            |                | 4                          | 24,060         |
| France           | 1                          | 5,038          |                            |                | 1                          | 5,038          |
| Germany          | 4                          | 14,213         |                            |                | 4                          | 14,213         |
| Greece           | 16                         | 145,133        | 3                          | 35,273         | 19                         | 180,406        |
| Italy            | 3                          | 21,500         |                            |                | 3                          | 21,500         |
| Japan            | 2                          | 16,762         |                            |                | 2                          | 16,762         |
| Lebanon          | 3                          | 21,619         |                            |                | 3                          | 21,619         |
| Liberia          | 2                          | 18,217         |                            |                | 2                          | 18,217         |
| Netherlands      | 3                          | 13,749         |                            |                | 3                          | 13,749         |
| Norway           | 4                          | 27,175         | 1                          | 19,999         | 5                          | 47,174         |
| Peru             | 1                          | 2,393          |                            |                | 1                          | 2,393          |
| Syria            | 5                          | 39,786         |                            |                | 5                          | 39,786         |
| Turkey           | 1                          | 7,095          |                            |                | 1                          | 7,095          |
| <b>Argentina</b> |                            |                | 1                          | 6,318          | 1                          | 6,318          |
| <b>TOTAL</b>     | <b>64</b>                  | <b>444,612</b> | <b>12</b>                  | <b>161,706</b> | <b>76</b>                  | <b>605,718</b> |

BLOC SHIP ARRIVALS IN CUBA - AUGUST 1962

| <u>Country</u>  | <u>Dry Cargo</u>           |            | <u>Freight</u>             |            | <u>total</u>               |            |
|-----------------|----------------------------|------------|----------------------------|------------|----------------------------|------------|
|                 | <u>Number of<br/>Ships</u> | <u>GRT</u> | <u>Number of<br/>Ships</u> | <u>GRT</u> | <u>Number of<br/>Ships</u> | <u>GRT</u> |
| URSS            | 20                         | 135,432    | 11                         | 161,224    | 31                         | 296,654    |
| Poland          | 1                          | 7,697      |                            |            | 1                          | 7,697      |
| Bulgaria        | 1                          | 7,669      | 1                          | 10,098     | 2                          | 17,767     |
| East Germany    | 1                          | 9,659      |                            |            | 1                          | 9,659      |
| Communist China | 1                          | 6,837      |                            |            | 1                          | 6,837      |
|                 | —                          | —          | —                          | —          | —                          | —          |
| Total           | 54                         | 169,892    | 12                         | 171,322    | 56                         | 340,614    |

NON-BLOC SHIP ARRIVALS IN CHINESE PORTS - AUGUST 1962

| <u>Country</u> | <u>Dry Cargo</u>       |                | <u>Tankers</u>         |               | <u>Total</u>           |                |
|----------------|------------------------|----------------|------------------------|---------------|------------------------|----------------|
|                | <u>Number of Ships</u> | <u>GRT</u>     | <u>Number of Ships</u> | <u>GRT</u>    | <u>Number of Ships</u> | <u>GRT</u>     |
| Chile          | 1                      | 6,292          |                        |               | 1                      | 6,292          |
| Cuba           | 3                      | 7,164          |                        |               | 3                      | 7,164          |
| Denmark        | 3                      | 12,676         |                        |               | 3                      | 12,676         |
| Finland        | 1                      | 7,829          |                        |               | 1                      | 7,829          |
| Great Britain  | 3                      | 21,004         | 2                      | 26,443        | 5                      | 47,447         |
| West Germany   | 2                      | 61,861         |                        |               | 2                      | 61,861         |
| Greece         | 8                      | 58,216         | 3                      | 39,536        | 11                     | 97,752         |
| Holland        | 1                      | 9,105          |                        |               | 1                      | 9,105          |
| Italy          |                        |                | 1                      | 12,982        | 1                      | 12,982         |
| Japan          | 2                      | 16,003         |                        |               | 2                      | 16,003         |
| Lebanon        | 2                      | 24,577         |                        |               | 2                      | 24,577         |
| Macao          | 1                      | 8,203          |                        |               | 1                      | 8,203          |
| Morocco        | 1                      | 8,748          |                        |               | 1                      | 8,748          |
| Norway         | 4                      | 20,329         | 1                      | 11,190        | 5                      | 31,519         |
| Peru           | 1                      | 7,243          |                        |               | 1                      | 7,243          |
| Spain          | 2                      | 11,267         |                        |               | 2                      | 11,267         |
| Sweden         | 5                      | 23,024         |                        |               | 5                      | 23,024         |
| Turkey         | 2                      | 15,523         |                        |               | 2                      | 15,523         |
| <br>           | <br>                   | <br>           | <br>                   | <br>          | <br>                   | <br>           |
| <b>Total</b>   | <b>49</b>              | <b>398,475</b> | <b>7</b>               | <b>89,871</b> | <b>56</b>              | <b>398,346</b> |

**NET-NEW ARRIVALS TO COMPTON - JULY 1962**  
(By Country)

| Country      | Arrived by |      | Net of Beneficial Trans. Vol. | Total Arr. | Arrived | Knee-Cabinet Trade |      |
|--------------|------------|------|-------------------------------|------------|---------|--------------------|------|
|              | Arr.       | Vol. |                               |            |         | Arr.               | Vol. |
| Belgium      | -          | -    | -                             | -          | -       | -                  | -    |
| British      | -          | 4    | -                             | -          | -       | -                  | -    |
| Denmark      | -          | -    | -                             | -          | -       | -                  | -    |
| French       | -          | -    | -                             | -          | -       | -                  | -    |
| Greek        | -          | -    | -                             | -          | -       | -                  | -    |
| Italian      | -          | 9    | -                             | -          | -       | -                  | -    |
| Dutch        | -          | 2    | -                             | -          | -       | -                  | -    |
| Norwegian    | -          | 2    | -                             | -          | -       | -                  | -    |
| Turkish      | -          | 1    | -                             | -          | -       | -                  | -    |
| West Germany | -          | 2    | -                             | -          | -       | -                  | -    |
| Switzerland  | 0          | -    | -                             | -          | -       | -                  | -    |
|              | 0          | -    | -                             | -          | -       | -                  | -    |
|              | 1          | -    | -                             | -          | -       | -                  | -    |
|              | 2          | -    | -                             | -          | -       | -                  | -    |
|              | 4          | -    | -                             | -          | -       | -                  | -    |
|              | 5          | -    | -                             | -          | -       | -                  | -    |
|              | 6          | -    | -                             | -          | -       | -                  | -    |
|              | 7          | -    | -                             | -          | -       | -                  | -    |
|              | 8          | -    | -                             | -          | -       | -                  | -    |
|              | 9          | -    | -                             | -          | -       | -                  | -    |
|              | 10         | -    | -                             | -          | -       | -                  | -    |
|              | 11         | -    | -                             | -          | -       | -                  | -    |
|              | 12         | -    | -                             | -          | -       | -                  | -    |
|              | 13         | -    | -                             | -          | -       | -                  | -    |
|              | 14         | -    | -                             | -          | -       | -                  | -    |
|              | 15         | -    | -                             | -          | -       | -                  | -    |
|              | 16         | -    | -                             | -          | -       | -                  | -    |
|              | 17         | -    | -                             | -          | -       | -                  | -    |
|              | 18         | -    | -                             | -          | -       | -                  | -    |
|              | 19         | -    | -                             | -          | -       | -                  | -    |
|              | 20         | -    | -                             | -          | -       | -                  | -    |
|              | 21         | -    | -                             | -          | -       | -                  | -    |
|              | 22         | -    | -                             | -          | -       | -                  | -    |
|              | 23         | -    | -                             | -          | -       | -                  | -    |
|              | 24         | -    | -                             | -          | -       | -                  | -    |
|              | 25         | -    | -                             | -          | -       | -                  | -    |
|              | 26         | -    | -                             | -          | -       | -                  | -    |
|              | 27         | -    | -                             | -          | -       | -                  | -    |
|              | 28         | -    | -                             | -          | -       | -                  | -    |
|              | 29         | -    | -                             | -          | -       | -                  | -    |
|              | 30         | -    | -                             | -          | -       | -                  | -    |
|              | 31         | -    | -                             | -          | -       | -                  | -    |
|              | 32         | -    | -                             | -          | -       | -                  | -    |
|              | 33         | -    | -                             | -          | -       | -                  | -    |
|              | 34         | -    | -                             | -          | -       | -                  | -    |
|              | 35         | -    | -                             | -          | -       | -                  | -    |
|              | 36         | -    | -                             | -          | -       | -                  | -    |
|              | 37         | -    | -                             | -          | -       | -                  | -    |
|              | 38         | -    | -                             | -          | -       | -                  | -    |
|              | 39         | -    | -                             | -          | -       | -                  | -    |
|              | 40         | -    | -                             | -          | -       | -                  | -    |
|              | 41         | -    | -                             | -          | -       | -                  | -    |
|              | 42         | -    | -                             | -          | -       | -                  | -    |
|              | 43         | -    | -                             | -          | -       | -                  | -    |
|              | 44         | -    | -                             | -          | -       | -                  | -    |
|              | 45         | -    | -                             | -          | -       | -                  | -    |
|              | 46         | -    | -                             | -          | -       | -                  | -    |
|              | 47         | -    | -                             | -          | -       | -                  | -    |
|              | 48         | -    | -                             | -          | -       | -                  | -    |
|              | 49         | -    | -                             | -          | -       | -                  | -    |
|              | 50         | -    | -                             | -          | -       | -                  | -    |
|              | 51         | -    | -                             | -          | -       | -                  | -    |
|              | 52         | -    | -                             | -          | -       | -                  | -    |
|              | 53         | -    | -                             | -          | -       | -                  | -    |
|              | 54         | -    | -                             | -          | -       | -                  | -    |
|              | 55         | -    | -                             | -          | -       | -                  | -    |
|              | 56         | -    | -                             | -          | -       | -                  | -    |
|              | 57         | -    | -                             | -          | -       | -                  | -    |
|              | 58         | -    | -                             | -          | -       | -                  | -    |
|              | 59         | -    | -                             | -          | -       | -                  | -    |
|              | 60         | -    | -                             | -          | -       | -                  | -    |
|              | 61         | -    | -                             | -          | -       | -                  | -    |
|              | 62         | -    | -                             | -          | -       | -                  | -    |
|              | 63         | -    | -                             | -          | -       | -                  | -    |
|              | 64         | -    | -                             | -          | -       | -                  | -    |
|              | 65         | -    | -                             | -          | -       | -                  | -    |
|              | 66         | -    | -                             | -          | -       | -                  | -    |
|              | 67         | -    | -                             | -          | -       | -                  | -    |
|              | 68         | -    | -                             | -          | -       | -                  | -    |
|              | 69         | -    | -                             | -          | -       | -                  | -    |
|              | 70         | -    | -                             | -          | -       | -                  | -    |
|              | 71         | -    | -                             | -          | -       | -                  | -    |
|              | 72         | -    | -                             | -          | -       | -                  | -    |
|              | 73         | -    | -                             | -          | -       | -                  | -    |
|              | 74         | -    | -                             | -          | -       | -                  | -    |
|              | 75         | -    | -                             | -          | -       | -                  | -    |
|              | 76         | -    | -                             | -          | -       | -                  | -    |
|              | 77         | -    | -                             | -          | -       | -                  | -    |
|              | 78         | -    | -                             | -          | -       | -                  | -    |
|              | 79         | -    | -                             | -          | -       | -                  | -    |
|              | 80         | -    | -                             | -          | -       | -                  | -    |
|              | 81         | -    | -                             | -          | -       | -                  | -    |
|              | 82         | -    | -                             | -          | -       | -                  | -    |
|              | 83         | -    | -                             | -          | -       | -                  | -    |
|              | 84         | -    | -                             | -          | -       | -                  | -    |
|              | 85         | -    | -                             | -          | -       | -                  | -    |
|              | 86         | -    | -                             | -          | -       | -                  | -    |
|              | 87         | -    | -                             | -          | -       | -                  | -    |
|              | 88         | -    | -                             | -          | -       | -                  | -    |
|              | 89         | -    | -                             | -          | -       | -                  | -    |
|              | 90         | -    | -                             | -          | -       | -                  | -    |
|              | 91         | -    | -                             | -          | -       | -                  | -    |
|              | 92         | -    | -                             | -          | -       | -                  | -    |
|              | 93         | -    | -                             | -          | -       | -                  | -    |
|              | 94         | -    | -                             | -          | -       | -                  | -    |
|              | 95         | -    | -                             | -          | -       | -                  | -    |
|              | 96         | -    | -                             | -          | -       | -                  | -    |
|              | 97         | -    | -                             | -          | -       | -                  | -    |
|              | 98         | -    | -                             | -          | -       | -                  | -    |
|              | 99         | -    | -                             | -          | -       | -                  | -    |
|              | 100        | -    | -                             | -          | -       | -                  | -    |
|              | 101        | -    | -                             | -          | -       | -                  | -    |
|              | 102        | -    | -                             | -          | -       | -                  | -    |
|              | 103        | -    | -                             | -          | -       | -                  | -    |
|              | 104        | -    | -                             | -          | -       | -                  | -    |
|              | 105        | -    | -                             | -          | -       | -                  | -    |
|              | 106        | -    | -                             | -          | -       | -                  | -    |
|              | 107        | -    | -                             | -          | -       | -                  | -    |
|              | 108        | -    | -                             | -          | -       | -                  | -    |
|              | 109        | -    | -                             | -          | -       | -                  | -    |
|              | 110        | -    | -                             | -          | -       | -                  | -    |
|              | 111        | -    | -                             | -          | -       | -                  | -    |
|              | 112        | -    | -                             | -          | -       | -                  | -    |
|              | 113        | -    | -                             | -          | -       | -                  | -    |
|              | 114        | -    | -                             | -          | -       | -                  | -    |
|              | 115        | -    | -                             | -          | -       | -                  | -    |
|              | 116        | -    | -                             | -          | -       | -                  | -    |
|              | 117        | -    | -                             | -          | -       | -                  | -    |
|              | 118        | -    | -                             | -          | -       | -                  | -    |
|              | 119        | -    | -                             | -          | -       | -                  | -    |
|              | 120        | -    | -                             | -          | -       | -                  | -    |
|              | 121        | -    | -                             | -          | -       | -                  | -    |
|              | 122        | -    | -                             | -          | -       | -                  | -    |
|              | 123        | -    | -                             | -          | -       | -                  | -    |
|              | 124        | -    | -                             | -          | -       | -                  | -    |
|              | 125        | -    | -                             | -          | -       | -                  | -    |
|              | 126        | -    | -                             | -          | -       | -                  | -    |
|              | 127        | -    | -                             | -          | -       | -                  | -    |
|              | 128        | -    | -                             | -          | -       | -                  | -    |
|              | 129        | -    | -                             | -          | -       | -                  | -    |
|              | 130        | -    | -                             | -          | -       | -                  | -    |
|              | 131        | -    | -                             | -          | -       | -                  | -    |
|              | 132        | -    | -                             | -          | -       | -                  | -    |
|              | 133        | -    | -                             | -          | -       | -                  | -    |
|              | 134        | -    | -                             | -          | -       | -                  | -    |
|              | 135        | -    | -                             | -          | -       | -                  | -    |
|              | 136        | -    | -                             | -          | -       | -                  | -    |
|              | 137        | -    | -                             | -          | -       | -                  | -    |
|              | 138        | -    | -                             | -          | -       | -                  | -    |
|              | 139        | -    | -                             | -          | -       | -                  | -    |
|              | 140        | -    | -                             | -          | -       | -                  | -    |
|              | 141        | -    | -                             | -          | -       | -                  | -    |
|              | 142        | -    | -                             | -          | -       | -                  | -    |
|              | 143        | -    | -                             | -          | -       | -                  | -    |
|              | 144        | -    | -                             | -          | -       | -                  | -    |
|              | 145        | -    | -                             | -          | -       | -                  | -    |
|              | 146        | -    | -                             | -          | -       | -                  | -    |
|              | 147        | -    | -                             | -          | -       | -                  | -    |
|              | 148        | -    | -                             | -          | -       | -                  | -    |
|              | 149        | -    | -                             | -          | -       | -                  | -    |
|              | 150        | -    | -                             | -          | -       | -                  | -    |
|              | 151        | -    | -                             | -          | -       | -                  | -    |
|              | 152        | -    | -                             | -          | -       | -                  | -    |
|              | 153        | -    | -                             | -          | -       | -                  | -    |
|              | 154        | -    | -                             | -          | -       | -                  | -    |
|              | 155        | -    | -                             | -          | -       | -                  | -    |
|              | 156        | -    | -                             | -          | -       | -                  | -    |
|              | 157        | -    | -                             | -          | -       | -                  | -    |
|              | 158        | -    | -                             | -          | -       | -                  | -    |
|              | 159        | -    | -                             | -          | -       | -                  | -    |
|              | 160        | -    | -                             | -          | -       | -                  | -    |
|              | 161        | -    | -                             | -          | -       | -                  | -    |
|              | 162        | -    | -                             | -          | -       | -                  | -    |
|              | 163        | -    | -                             | -          | -       | -                  | -    |
|              | 164        | -    | -                             | -          | -       | -                  | -    |
|              | 165        | -    | -                             | -          | -       | -                  | -    |
|              | 166        | -    | -                             | -          | -       | -                  | -    |
|              | 167        | -    | -                             | -          | -       | -                  | -    |
|              | 168        | -    | -                             | -          | -       | -                  | -    |
|              | 169        | -    | -                             | -          | -       | -                  | -    |
|              | 170        | -    | -                             | -          | -       | -                  | -    |
|              | 171        | -    | -                             | -          | -       | -                  | -    |
|              | 172        | -    | -                             | -          | -       | -                  | -    |
|              | 173        | -    | -                             | -          | -       | -                  | -    |
|              | 174        | -    | -                             | -          | -       | -                  | -    |
|              | 175        | -    | -                             | -          | -       | -                  | -    |
|              | 176        | -    | -                             | -          | -       | -                  | -    |
|              | 177        | -    | -                             | -          | -       | -                  | -    |
|              | 178        | -    | -                             | -          | -       | -                  | -    |
|              | 179        | -    | -                             | -          | -       | -                  | -    |
|              | 180        | -    | -                             | -          | -       | -                  | -    |
|              | 181        | -    | -                             | -          | -       | -                  | -    |
|              | 182        | -    | -                             | -          | -       | -                  | -    |
|              | 183        | -    | -                             | -          | -       | -                  | -    |
|              | 184        | -    | -                             | -          | -       | -                  | -    |
|              | 185        | -    | -                             | -          | -       | -                  | -    |
|              | 186        | -    | -                             | -          | -       | -                  | -    |
|              | 187        | -    | -                             | -          | -       | -                  | -    |
|              | 188        | -    | -                             | -          | -       | -                  | -    |
|              | 189        | -    | -                             | -          | -       | -                  | -    |
|              | 190        | -    | -                             | -          | -       | -                  | -    |
|              | 191        | -    | -                             | -          | -       | -                  | -    |
|              | 192        | -    | -                             | -          | -       | -                  | -    |
|              | 193        | -    | -                             | -          | -       | -                  | -    |
|              | 194        | -    | -                             | -          | -       | -                  | -    |
|              | 195        | -    | -                             | -          | -       | -                  | -    |
|              | 196        | -    | -                             | -          | -       | -                  | -    |
|              | 197        | -    | -                             | -          | -       | -                  | -    |
|              | 198        | -    | -                             | -          | -       | -                  | -    |
|              | 199        | -    | -                             | -          | -       | -                  | -    |
|              | 200        | -    | -                             | -          | -       | -                  | -    |
|              | 201        | -    | -                             | -          | -       | -                  | -    |
|              | 202        | -    | -                             | -          | -       | -                  | -    |
|              | 203        | -    | -                             | -          | -       | -                  | -    |
|              | 204        | -    | -                             | -          | -       | -                  | -    |
|              | 205        | -    | -                             | -          | -       | -                  | -    |
|              | 206        | -    | -                             | -          | -       | -                  | -    |
|              | 207        | -    | -                             | -          | -       | -                  | -    |
|              | 208        | -    | -                             | -          | -       | -                  | -    |
|              | 209        | -    | -                             | -          | -       | -                  | -    |
|              | 210        | -    | -                             | -          | -       | -                  | -    |
|              | 211        | -    | -                             | -          | -       | -                  | -    |
|              | 212        | -    | -                             | -          | -       | -                  | -    |
|              | 213        | -    | -                             | -          | -       | -                  | -    |
|              | 214        | -    | -                             | -          | -       | -                  | -    |
|              | 215        | -    | -                             | -          | -       | -                  | -    |
|              | 216        | -    | -                             | -          | -       | -                  | -    |
|              | 217        | -    | -                             | -          | -       | -                  | -    |
|              | 218        | -    | -                             | -          | -       | -                  | -    |
|              | 219        | -    | -                             | -          | -       | -                  | -    |
|              | 220        | -    | -                             | -          | -       | -                  | -    |
|              | 221        | -    | -                             | -          | -       | -                  | -    |
|              | 222        | -    | -                             | -          | -       | -                  | -    |
|              | 223        | -    | -                             | -          | -       | -                  | -    |
|              | 224        | -    | -                             | -          | -       | -                  | -    |
|              | 225        | -    | -                             | -          | -       | -                  | -    |
|              | 226        | -    | -                             | -          | -       | -                  | -    |
|              | 227</      |      |                               |            |         |                    |      |



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